



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**ACME Engineering and Manufacturing Corporation**  
1820 N. York Street  
Muskogee, OK 74403

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Model PRN Aluminum Rooftop Exhaust Fan

**APPROVAL DOCUMENT:** Drawing No. 686739, titled "Exhaust Ventilator Model PRN", sheets 1 through 3 of 3, dated 04/12/2010, with revision B dated 05/28/2015, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 12-0814.13 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*[Signature]*  
09/03/2015

NOA No. 15-0622.17  
Expiration Date: November 04, 2020  
Approval Date: September 3, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **686739**, titled "Exhaust Ventilator Model PRN", Sheets 1 through 3 of 3, dated 04/12/2010, with revision B dated 05/28/2015, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E.

**B. TESTS "*Submitted under NOA # 10-0714.01*"**

1. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94,  
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,  
along with marked-up drawings and installation diagram of three Model PRN-171 Aluminum Roof Mounted Exhaust Fans, prepared by Architectural Testing, Inc., Test Report No. **90349.02-801-18**, dated 01/22/2010, with Revision 1 dated 09/09/2010, signed and sealed by Joseph A. Reed, P.E.

**C. CALCULATIONS "*Submitted under NOA # 10-0714.01*"**

1. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 09/18/2010, signed and sealed by Richard Boyette, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

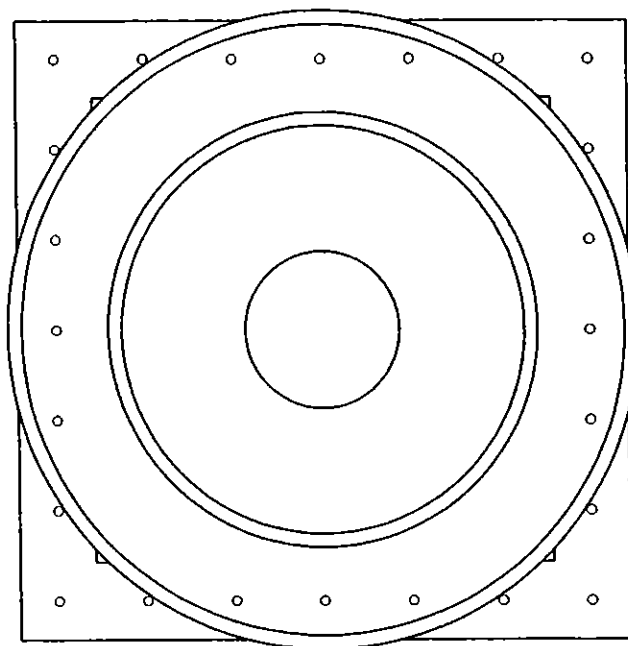
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Rick Boyette Consulting, Inc, dated 05/28/2015, signed and sealed by Richard Boyette, P.E.
2. No financial interest letter issued by Rick Boyette Consulting, Inc, dated 06/29/2015, signed and sealed by Richard Boyette, P.E.

  
09/03/2015

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0622.17

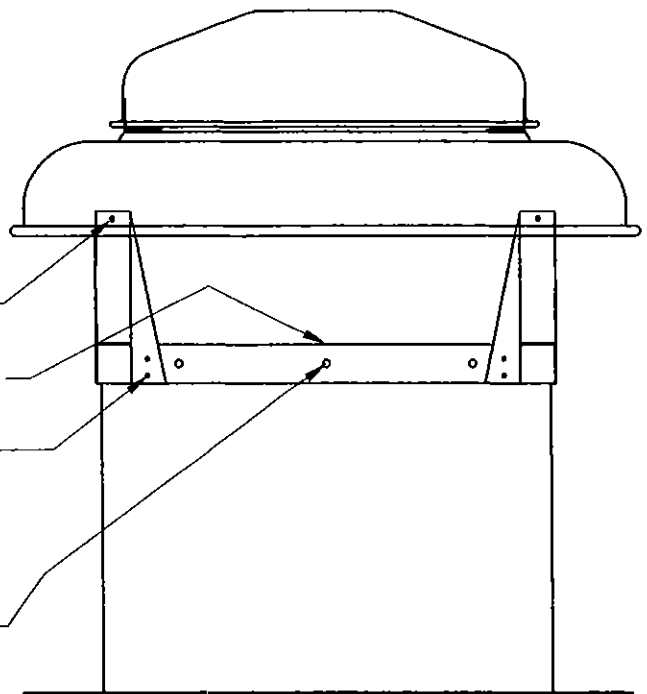
Expiration Date: November 04, 2020  
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Large Missile Impact Resistant  
Max rated design pressure : +53.0 / -112.0 PSF

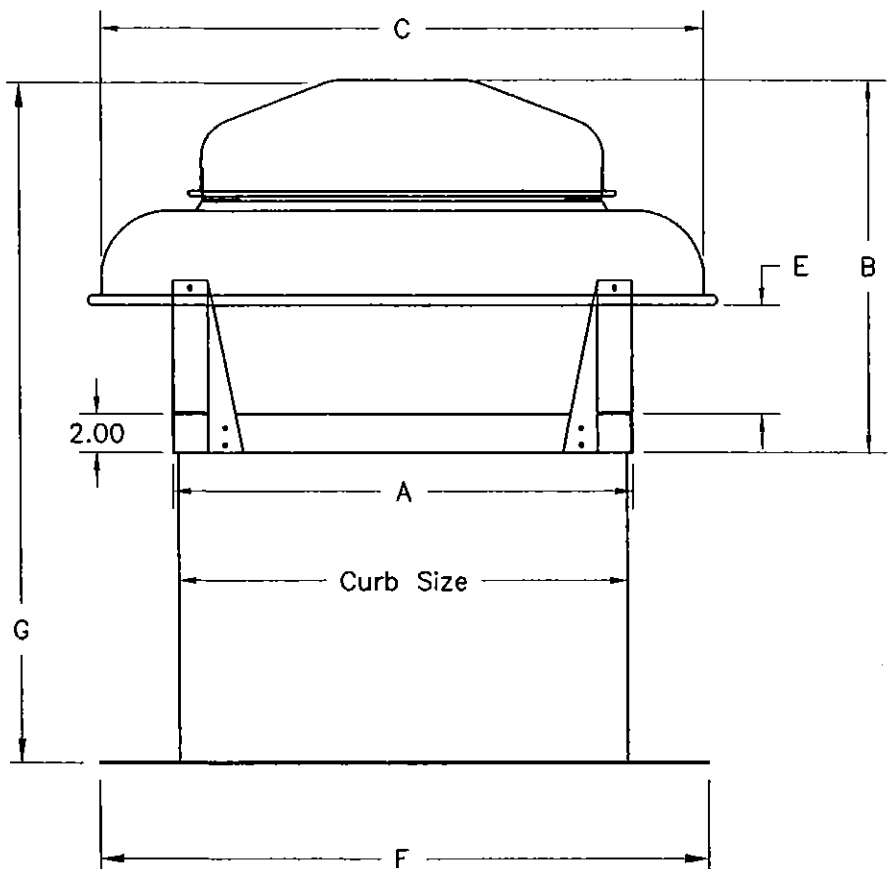


Plan View

4 x 1/4"-20x3/4" HWH bolts  
Windband to Curb Welded  
2" welds on 6" centers  
16 x 3/16" Aluminum Rivets  
Fan curb to Roof curb  
connection  
1/4" sheet metal screws  
on minimum 6" centers



Elevation View



Dimensions view

- Notes:
- a. This rooftop exhaust fan has been designed to comply with the 2014 FBC SEC 1620.6 & ASCE 7-10 SEC 29.5
  - b. Roof structure must be designed to withstand the weight and loading transmitted by this rooftop exhaust fan.
  - c. This approval is for the structural capacity of the exterior housing only, it does not include any interior mechanism and/or electrical part.
  - d. This rooftop exhaust fan has not been tested for wind driven rain according to Florida Building Code, TAS 100(A).
  - e. All fasteners must be corrosion resistant.

Acme Engineering &  
Manufacturing Corp.  
1820 N. York Street  
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918-682-7791

Model	Fan Dimensions (Inches)							Curb Dimensions			Fan + Curb Weight (lbs.)
	A	B	C	D	E	F	G	Curb Size	Curb Height	Curb Material	
80	13.50	9.00	18.25	2.00	0.00	21.50	25.00	13.20	8 to 18	18 ga. G90 galv.	46
100	16.00	13.25	21.12	2.00	3.81	24.00	29.25	15.70	8 to 18	18 ga. G90 galv.	51
110	16.00	13.25	21.12	2.00	3.81	24.00	29.25	15.70	8 to 18	18 ga. G90 galv.	52
118	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	75
126	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	76
135	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	82
145	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	96
163	24.00	18.12	31.63	2.00	5.56	32.00	34.12	23.70	8 to 18	18 ga. G90 galv.	139
171	24.00	18.12	31.63	2.00	5.56	32.00	34.12	23.70	8 to 18	18 ga. G90 galv.	148

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-0622.17  
Expiration Date 11/04/2020  
By [Signature]  
Miami Code Product Control

DWG NO.	686739	Sheet 1/3
TITLE	Exhaust Ventilator Model PRN	
MAT'L		
DRAFTER	TCR	DATE 04/12/10
DESIGN ENG.	TCR	04/12/10
CHKD BY	MFG.	SCALE NTS

LET.	REVISION RECORD
A	REVISED FOR FLORIDA BUILDING CODE 2010
B	REVISED FOR FLORIDA BUILDING CODE 2014

BY	Richard Boyette
BPF	Richard Boyette
TCR	Richard Boyette

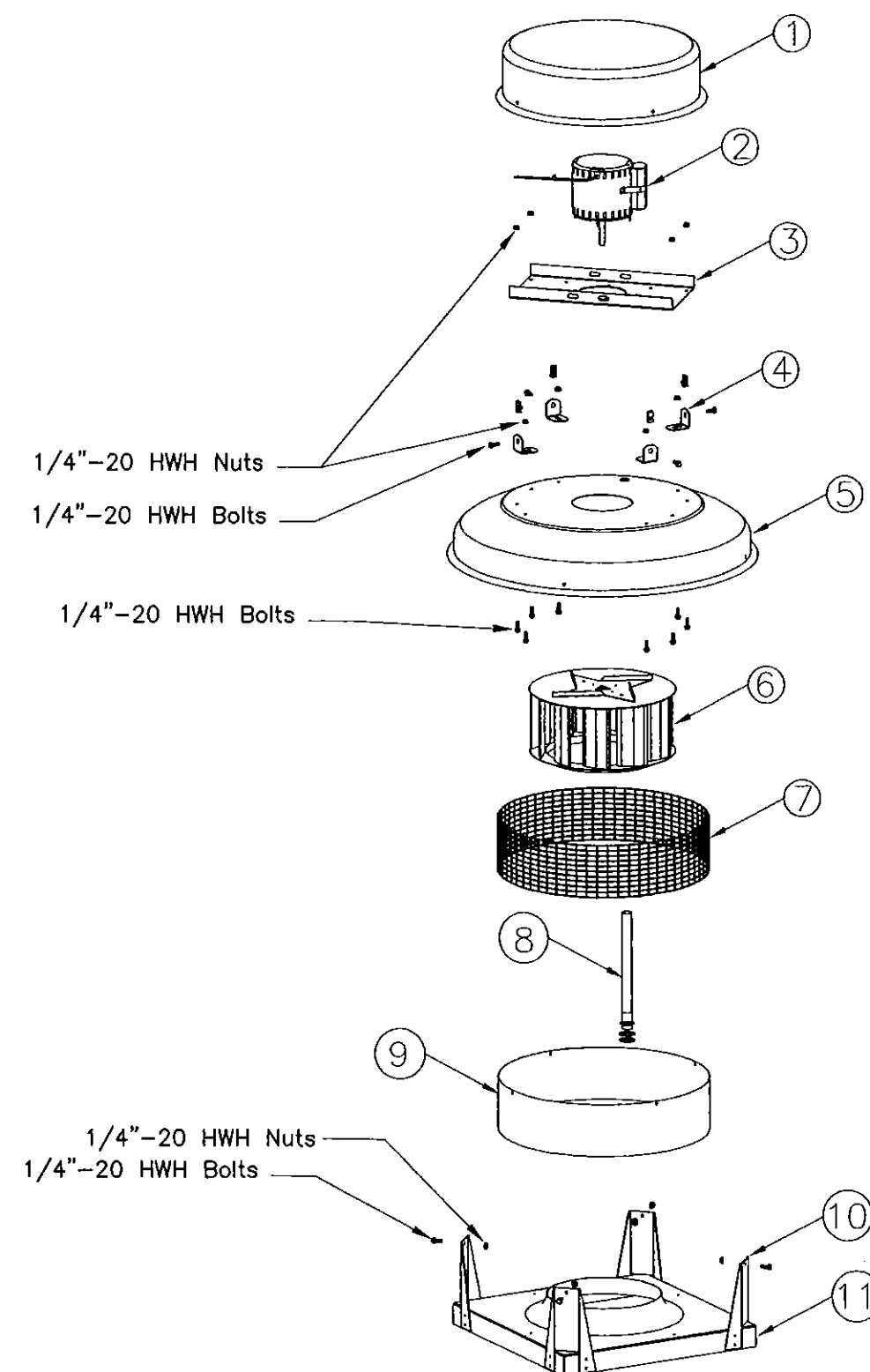
Richard Boyette, FL PE #42485  
Rick Boyette Consulting Inc - CoA #9707  
4031 Coconut Blvd  
Royal Palm Beach FL 33411  
561-790-5766  
8/28/15

Item#	Qty.	Item	Size	80	100	110	118	126
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor						
3	1	Motor Mount		18 ga. G90 galv.	18 ga. G90 galv.	18 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller						
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum

Item#	Qty.	Item	Size	135	145	163	171
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor					
3	1	Motor Mount		14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller					
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum

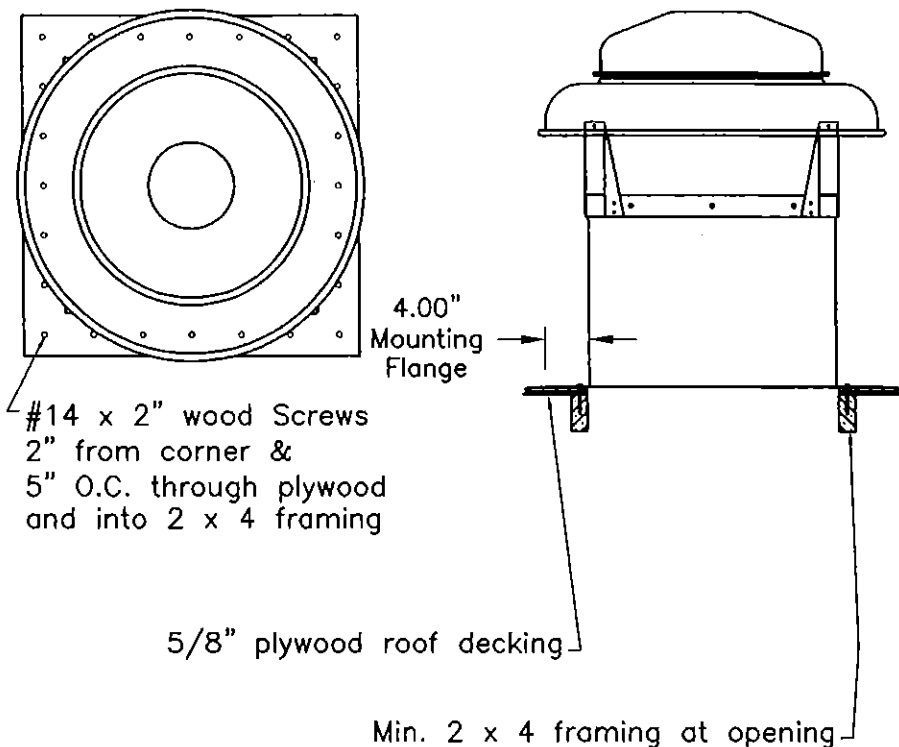
PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No 15-0622.17  
Expiration Date 11/04/2020  
by *[Signature]*  
Miami Code Product Control

Acme Engineering &  
Manufacturing Corp.  
1820 N. York Street  
Muskogee, OK 74403  
918-682-7791



DWG NO. 686739	Sheet 2/3	LET.	REVISION RECORD	BY	Richard Boyette, FL PE #42485
TITLE Exhaust Ventilator Model PRN		A	REVISED FOR FLORIDA BUILDING CODE 2010	BPF	Rick Boyette Consulting Inc - CoA #9707
		B	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	4031 Coconut Blvd
MAT'L					Royal Palm Beach FL 33411
DRAFTER TCR	DATE 04/12/10				561-790-5766
DESIGN ENG. TCR	RELEASED				<i>[Signature]</i>
CHKD BY	MFG.	SCALE NTS			5/20/15

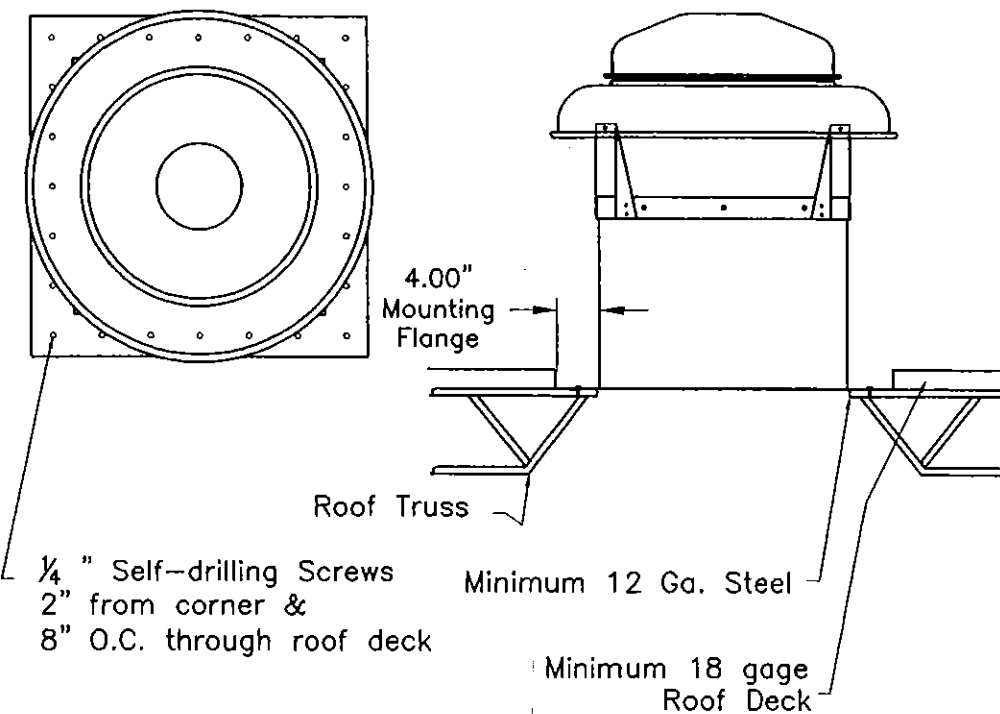
Large Missile Impact Resistant  
Max rated design pressure : +53.0 / -112.0 PSF



Elevation View

Plan View

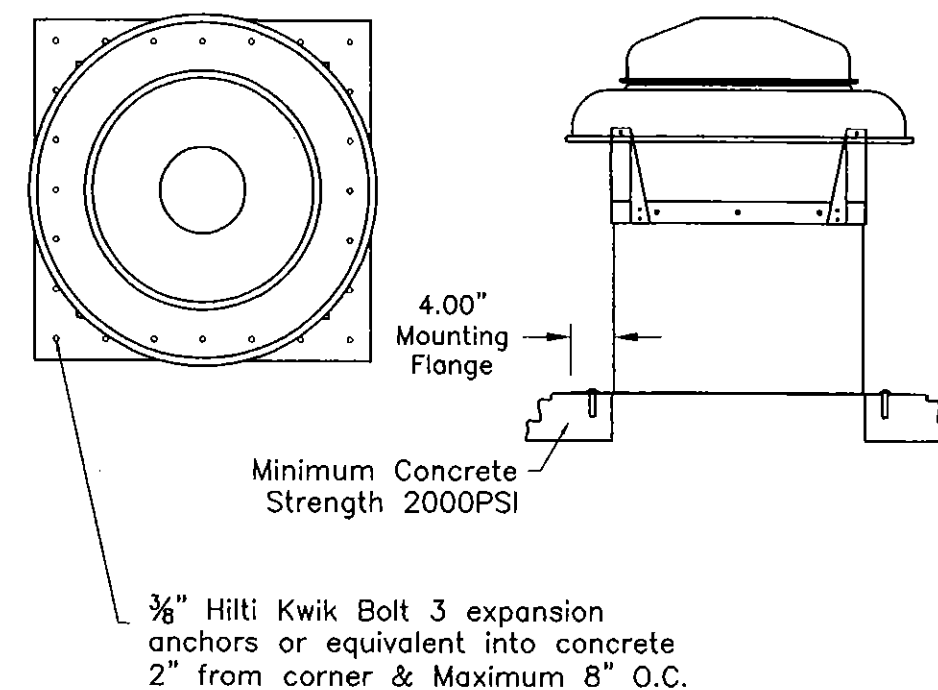
Wood Deck Installation



Elevation View

Plan View

Metal Building Installation



Elevation View

Plan View

Concrete Deck Installation

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0622.17  
Expiration Date 11/04/2020  
By: [Signature]  
Miami Trade Product Control

Acme Engineering &  
Manufacturing Corp.  
1820 N. York Street  
Muskogee, OK 74403  
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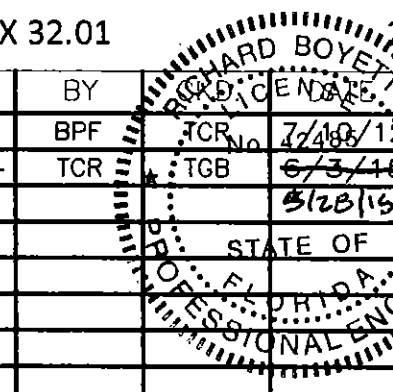
INSTALLATION TYPE / FASTENER COUNT				
MODEL	MOUNTING FLANGE DIMENSIONS	WOOD DECK	METAL BUILDING	CONCRETE DECK
80	21.50 X 21.50	16	12	12
100	24.00 X 24.00	16	12	12
110	24.00 X 24.01	16	12	12
118	29.00 X 29.00	20	12	12
126	29.00 X 29.01	20	12	12
135	29.00 X 29.02	20	12	12
145	29.00 X 29.03	20	12	12
163	32.00 X 32.00	24	16	16
171	32.00 X 32.01	24	16	16

DWG NO. 686739 Sheet 3/3

TITLE Exhaust Ventilator Model PRN

MAT'L  
DRAFTER TCR DATE 04/12/10  
DESIGN ENG. TCR 04/12/10 RELEASED  
CHKD BY MFG. SCALE NTS

LET.	REVISION RECORD	BY
A	REVISED FOR FLORIDA BUILDING CODE 2010	BPF
B	REVISED FOR FLORIDA BUILDING CODE 2014	TCR



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5/28/15